

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. At B. Not on C. On D. None of these
2	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
3	Question Image	A. Above B. Left C. Below D. Right
4	The graph of linear equation of the form $ax + by = c$ is a _____ where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
5	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$:	A. Above B. Left C. Below D. Right
6	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
7	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
8	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
9	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
10	If the line segment obtained by joining any two points of a region lies entirely within the region, then the region is called _____:	A. Maximum B. Vertex C. Minimum D. Convex
11	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
12	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
13	A point of a solution region where two of its boundary lines intersect is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
14	The order (or sense) of an inequality is changed by _____, if each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
15	(1, 0) is the solution of inequality :	A. $7x + 2y \leq 8$ B. $x - 3y \leq 0$ C. $3x + 5y \geq 6$ D. $-3x + 5y \geq 2$

16	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 < 0$ C. $-2x + 3 > 0$ D. $x + 3 < 0$
17	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
18	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
19	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
20	<div>Question Image</div>	A. Open B. Closed C. Open as well as closed D. None of these